

**ENGINEERING/OPERATIONS COMMITTEE MEETING RECAP  
DECEMBER 9, 2010**

**COMMITTEE MEMBERS PRESENT**

Ed Mandich, Committee Chair  
Glenn Acosta, Alternate Committee Member

**COMMITTEE MEMBER ABSENT**

Matt Disston, Committee Member

**STAFF PRESENT**

Don Chadd, General Manager  
Hector Ruiz, District Engineer  
Teresa Teichman, Secretary to the Board of Directors  
Kris Hanberg, Wastewater Supervisor  
Neil McKenna, Water Supervisor  
Bob Beck, Maintenance Supervisor  
Michael Perea, Special Projects Manager

**PUBLIC PRESENT**

No members of the public were present.

**CALL THE MEETING TO ORDER**

Committee Chair Mandich called the Engineering/Operational Committee Meeting to order at 7:05 a.m.

**VISITOR PARTICIPATION**

There was no visitor participation

**ORAL COMMUNICATION**

There were no comments.

**COMMITTEE MEMBER COMMENTS**

There were no Committee Member comments.

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**REPORT FROM THE GENERAL MANAGER**

There was no report from the General Manager.

**PROJECT MANAGEMENT**

**ITEM NO. 1A) STATUS UPDATE RELATING TO THE BAKER REGIONAL  
WATER TREATMENT FACILITY**

Mr. Hector Ruiz, District Engineer, advised the Baker WTP Committee which was scheduled to meet this afternoon has been cancelled.

Mr. Ruiz advised the preliminary design is now 60% complete and that all Baker WTP committee members have a copy to review and submit comments by next week. Mr. Ruiz advised final design is scheduled to be complete by March, 2011.

Mr. Ruiz advised MWDOC will be presenting updated Baker WTP information to MET at the time of their January 2011 Board of Directors Meeting with possible action to occur by MET in February, 2011.

***The Engineering/Operational Committee received the status update. No action taken.***

**ITEM NO. 1B) STATUS UPDATE AND POSSIBLE ACTION RELATING TO  
ROSE CANYON AND LANG WELLS GROUNDWATER  
TREATMENT FACILITY**

Mr. Ruiz advised the project is 92% complete and provided perimeter photos to the committee.

Mr. Ruiz advised he is working with Southern California Edison (SCE) to coordinate the delivery schedule of the transformer to the Wells site. Mr. Ruiz advised once the transformer is in place the facility will be ready for start up and testing of the electrical and mechanical components. Mr. Ruiz reminded the committee more rain water is needed in the aquifer in order to perform certain tests on the wells.

Mr. Ruiz advised claim reimbursements have been received by the District for claims one through five, claims six and seven reimbursements are anticipated to be received next month and claim number eight was submitted this week. Mr. Ruiz advised all claims submittals are on track and proceeding smoothly.

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Mr. Ruiz reminded the committee that R.C. Foster's substantial completion date of November 15, 2010 has been pushed back due to weather conditions and change orders. Mr. Ruiz requested the committee consider extending the contract completion date to December 31, 2010 as requested by R.C. Foster. The extension is in response to delays by TCWD in permitting R.C. Foster to connect to TCWD's pipelines because of system water demands. Mr. Ruiz advised this extension will not have any financial impact to the District and that this extension has been discussed with the Department of Public Health (DPH) and will not affect any portion of the State Revolving Fund Loan terms.

Mr. Ruiz discussed proposed change orders with the committee. The net effect of the proposed ten (10) change orders is a credit to the District of over \$18,000.00. Change orders to date remain under one percent. Mr. Ruiz recommended the committee forward the discussed change orders to the Board for consideration. Mr. Ruiz advised all proposed change orders have been discussed informally with DPH.

Mr. Ruiz stated he has requested written confirmation and information relating to the requirement of the watershed sanitary survey for the Wells Upgrade Project along with the specific scope of work required.

**The Engineering/Operational Committee received the status update. Forward to the Board (Action Calendar).**

**ITEM NO. 1C) STATUS UPDATE RELATING TO WATER MONITORING AND WATER CONSERVATION EFFORTS**

Mr. Chadd discussed the water allocation tables provided by the Municipal Water District of Orange County (MWDOC) containing data as of November 17, 2010 and noted TCWD remains under its allotment. Mr. Chadd noted allocations from MET may be increased for 2011.

**The Engineering/Operational Committee received the status update. No action taken.**

**ITEM NO. 1D) STATUS UPDATES REGARDING ON-GOING ENGINEERING PROJECTS**

**1. Golf Club Lift Station Upgrades/Rehabilitation**

Mr. Ruiz advised the new dry pit pumps have been installed and he provided before and after photos to the committee.

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Mr. Ruiz advised during the first quarter of 2011 the surge control systems will be evaluated.

Director Acosta asked if there is any opportunity for enhancement of the system as it relates to overflow prevention. Mr. Acosta expressed concerns regarding the potential for overflow. Mr. Ruiz answered that operation of the lift station is per the original wet well design and works satisfactorily. Mr. Ruiz advised construction of a larger wet well would have an extremely high cost factor due to the depth. Mr. Ruiz advised there are two pumps for this system which alternate, plus a spare pump.

2. Shadow Rock Detention Basin Facility Project

Mr. Ruiz advised that he and Mr. Michael Perea, Special Projects Manager, are working with the County of Orange as this is one of the projects on the initial list of consideration for Proposition 84 funding. Mr. Ruiz discussed the benefits of the project as it relates to District customers in particular and South Orange County and the City of Rancho Santa Margarita as a whole.

Mr. Ruiz advised the committee there is a short submittal time line for this project and if approved, will require 25% matching funds.

3. Brookseed/Dove Water Main Inter-Tie/Fire Line

Mr. Ruiz advised there is no new information to report.

4. El Toro Road Sewer Lift Station

Mr. Ruiz distributed information relating to proposed Amendments to El Toro Road Sewer System/Chiquita System Agreements along with a graphic layout of the sewer system.

Mr. Ruiz advised the system is being maintained at this time with replaceable parts which are becoming more difficult to obtain. Mr. Ruiz advised the diverged sewage flow is being held for up to 21 hours or longer and that Santa Margarita Water District (SMWD) has received some customer odor complaints and has expressed concerns relating to possible corrosion issues. TCWD, SMWD and IRWD have all met to discuss the issue and are currently investigating different flushing options. Mr. Ruiz stated either option will not have a significant monetary impact to TCWD.

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5. Other Projects

There were no other projects discussed.

**The Engineering/Operational Committee received the status updates. Information will be forwarded to the Board. (Action Calendar).**

**ITEM 1E) STATUS UPDATES REGARDING ACTIVE DEVELOPMENTS**

1. Skyridge – Standard Pacific Homes (85 DUs)

Mr. Ruiz advised PSOMAS has been contracted to perform the Sub-Area Master Plan (SAMP) for this development. Mr. Ruiz was contacted by the developer three weeks ago and the developer instructed asked PSOMAS and TCWD to stop all work until further notice.

2. Oaks at Trabuco

Mr. Ruiz advised two lots are currently being graded and have checked out construction meters have been obtained from the District by each customer of record. Mr. Ruiz advised the work is progressing slowly.

3. Other Active Developments

No other developments were discussed.

**The Engineering/Operational Committee received the status update. No action taken.**

**ITEM NO. 1F WATER SYSTEM STATUS UPDATE**

Mr. Neil McKenna, Water Supervisor, provided the November 2010 update.

Source Water Production

1. The water treatment plant production totaled 185 acre feet.
2. The Rose Canyon Well produced 0 acre feet and the Lang Well produced 0 acre feet.
3. The average daily demand was 5.6 acre feet, or 2.8 cfs.

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Projects and Repairs

1. Water Department Personnel restarted the hydrant flushing and valve exercising program.
2. Water Department Personnel repaired a water service line on Fall River.

**The Engineering/Operational Committee received the status update. No action taken.**

**ITEM NO. 1G) WASTEWATER SYSTEM STATUS UPDATE**

Mr. Kris Hanberg, Wastewater Supervisor, provided the November 2010 status update.

**Robinson Ranch Wastewater Treatment Plant**

1. The reclaimed water production totaled 56.5 acre feet.
2. The recycled water demand was 29 acre feet.
3. Dove Lake had 2.7 feet of freeboard.
4. The reclaimed water reservoir had 4feet of freeboard.
5. The District pumped a total of 12.1 acre feet from Dove Lake.
6. The Dry Season Water Recovery Project produced 5.4 acre feet.

**Projects**

1. District Personnel repaired a 6-inch air line at the Wastewater Treatment Plant.
2. District Personnel dredged Tick Canyon Dry Season Recovery Pond.
3. The District sold 8.1 acre feet of recycled water to the Portola Basin.

Mr. Hanberg reviewed the Sewer System Management Plan (SSMP) Report with the committee.

**The Engineering/Operational Committee received the status update. No action taken.**

**ITEM NO. 1H) NOVEMBER 2010 OPERATIONAL REPORT REVIEW**

There were no anomalies to report.

**The Engineering/Operational Committee received and filed the report. No action taken.**

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**ITEM NO. 1I)          ENGINEERING/OPERATIONAL COMMITTEE MEETING  
RECAP**

No changes were made to the Engineering/Operational recap.

***The Engineering/Operational Committee recommended that the Board receive and file the November 10, 2010 Engineering/Operational Committee Meeting Recap. (Consent Calendar).***

**ITEM NO. 1J)          OTHER MATTERS/REPORT**

There were no other matters to report.

***Recommended Action: The Committee received the status update. No action taken.***

**ADJOURNMENT**

Committee Chair Mandich adjourned the December 9, 2010 Engineering/Operational Committee Meeting at 7:48 a.m.